

IN THE CLAIMS

1. (Currently amended) An insulation package arrangement for insulating ~~[[the]]~~ an interior of an aircraft fuselage, whose structural unit not only includes stringers ~~[[(31)]]~~ with which all the panels of an outer skin ~~[[(33)]]~~ of an aircraft fuselage structure are stiffened, but also several ribs ~~[[(32)]]~~ which are arranged substantially perpendicular ~~perpendicularly~~ to ~~[[the]]~~ a longitudinal axis ~~[[(9)]]~~ of the aircraft at a specified distance ~~[[(c)]]~~, and which are attached to the stringer ~~[[(31)]]~~, with a rib carrier ~~[[(40)]]~~ being integrated into said ribs ~~[[(32)]]~~ on the unattached end ~~which rib of the carrier (40) continues parallel to the longitudinal axis (9)~~ of the aircraft, in which arrangement several fuselage insulation packages ~~(19 to 22)~~ which comprise an elongated package shape are situated in the direction of the longitudinal axis ~~[[(9)]]~~ of the aircraft at the fuselage structure of the aircraft, wherein said fuselage insulation packages ~~(19 to 22)~~ which longitudinally rest against a support surface ~~[[(31a)]]~~ of the stringers ~~[[(31)]]~~ which are attached to the aircraft fuselage or which are placed so as to longitudinally rest against an inner area ~~[[(33a)]]~~ of a panel of the outer skin, and these fuselage insulation packages ~~(19 to 22)~~ are attached on a longitudinal side ~~(41, 41a, 41b)~~ of the ribs ~~(32, 32a, 32b, 32e)~~, which additionally are arranged so as to be completely enclosed by a foil ~~[[(11)]]~~ and within a space enclosed by interior paneling and by the panels of an outer skin; whose design is implemented with burn-through-proof insulation of a larger cross section and/or with a burn-through-proof barrier layer of a smaller cross section, which are arranged either individually or in combination within the fuselage insulation package ~~(19 to 22)~~, in which the insulation or the barrier layer is guided so as to be situated either close to or resting against an interior wall region of the foil wall, or only the insulation is attached outside and resting against the

circumference of the foil ~~[(11)]~~ of the fuselage insulation package ~~(19 to 22)~~, which on the long end of the fuselage insulation package ~~(19 to 22)~~ continues outward with a flat insulation end section ~~(12, 12a, 12b)~~ which in a rib attachment region ~~[(15)]~~ arranged below the longitudinal sides ~~(41, 41a, 41b)~~ of a rib ~~(32, 32a, 32b, 32e)~~ and adjacent to the stringer ~~[(31)]~~ is attached with burn-through-proof attachment elements ~~(4, 13)~~ to the rib ~~(32, 32a, 32b, 32e)~~.

2. (Currently amended) The insulation package arrangement of claim 1, wherein in the rib attachment region ~~[(15)]~~ a through hole ~~[(24)]~~ is drilled, and in a package region of the fuselage insulation package ~~(19 to 22)~~, which on one side adjoins a front- or rear-arranged longitudinal side ~~(41a, 41b)~~ of the rib, there is a hole-like leadthrough, and the ongoing insulation end section ~~(12, 12a, 12b)~~, which on the other side is arranged so as to be adjacent to a front- or rear-arranged longitudinal side ~~(41a, 41b)~~ of the rib, comprises a hole-like recess.

3. (Currently amended) The insulation package arrangement of claim[s] 1 ~~[(and 2)]~~, wherein a first attachment element ~~[(4)]~~, which has been implemented with a burn-through-proof insulation pin, is fed through the hole-like leadthrough, through the through hole and through the hole-like recess, provided the latter are arranged so as to be substantially congruently aligned ~~congruent~~.

4. (Currently amended) The insulation package arrangement of claim 3, wherein the design of the insulation pin has been implemented with a cylindrical core element ~~[(25)]~~ which near the end of the pin ~~[(27)]~~ comprises a flange-like elevation ~~[(26)]~~ and a cylindrical plastic-like casing ~~[(28)]~~.

5. (Currently amended) The insulation package arrangement of claim 4, wherein the core element [(25)] is embedded in the plastic-like casing [(28)].

6. (Currently amended) The insulation package arrangement of claim 4, wherein approximately in the middle of the casing [(28)] a flange [(29)] exits, from which, starting at the cylindrical circumference of the casing [(28)] and substantially parallel to the core element [(25)] across its extended length, several pine-tree-shaped elevations [(30)] are positioned which are arranged so as to be spaced apart from each other.

7. (Currently amended) The insulation package arrangement of claim 6, wherein the pine-tree-shaped elevations [(30)] are comparable to a type of stepped gradation [(44)] that is conical, wherein the gradation [(44)] starts at the circumference of the casing [(28)] and its tapering-off conical form is ~~realized~~ achieved by a conical tapering-off of the circumference of the casing [(28)].

8. (Currently amended) The insulation package arrangement of claim 4, wherein the end region [(42)] of the casing [(28)] is dome-shaped, in the form of a recess, wherein the external shape of said end region [(42)] has the shape of a paraboloid, comparable to the shape of a parabolic rotation body whose longitudinal section has been realized with a parabolic shape, wherein the branch end of the parabola is continued by a stepped gradation [(44)] drawn inward vertically in relation to the pin axis [(43)].

9. (Currently amended) The insulation package arrangement of claim 4, wherein the core element [(25)] is made from metal, namely a steel, preferably a stainless steel, and the casing [(28)] comprises a plastic of poor thermal conductivity.

10. (Currently amended) The insulation package arrangement of claim[s] 1 [and 8], wherein the design of the second attachment element [(13)] is implemented with a so-called truncated-cone body ~~(eage body in the shape of a truncated cone)~~ whose base area and cover area ~~(46, 47)~~ are implemented with insulation discs or ring elements which are designed so as to be burn-through proof, being joined by a burn-through-proof insulation jacket [(50)] on the side of the disc margin or ring margin by a disc or ring of a larger external circumference.

11. (Currently amended) The insulation package arrangement of claim[s] 8 ~~and 10~~, wherein the cover area of the truncated-cone body comprises a first insulation disc, where a hole has been made in the middle of the disc, whose diameter is smaller than or almost the same as the external diameter of the end region [(42)], in the shape of a paraboloid, of the dome-shaped casing [(28)], so that the holed wall of the insulation disc ~~(due to the flexibility of the plastic material) can~~ may be guided with a tight fit over the branch end of the parabola of the parabolic end region [(42)] of the casing [(28)].

12. (Currently amended) The insulation package arrangement of claim 10, wherein the cover area [(47)] of the truncated-cone body comprises a first plastic-like insulation ring [(51)] of a larger circumference and a second plastic-like insulation ring [(49)] of a smaller circumference, wherein on the interior diameter of the first insulation ring [(48)] and on the

exterior diameter of the second insulation ring [(49)], several insulation braces [(51)], spaced apart on the circumference, are attached in vertical position.

13. The insulation package arrangement of claim[s] 4, 8, ~~10 and 12~~, wherein the design of the second insulation ring [(49)] comprises a disc-shaped core element [(52)] with a hole in the middle of the disc, whose hole diameter is smaller than or almost the same as the external diameter of the end region [(42)] of the dome-shaped casing [(48)] implemented in the shape of a paraboloid, and comprises a plastic-like casing.

14. (Currently amended) The insulation package arrangement of claim 13, wherein the disc-shaped core element [(42)] is embedded in the plastic-like casing.

15. (Currently amended) The insulation package arrangement of claim 13, wherein the disc-shaped core element [(42)] is made from metal, namely a steel, preferably a stainless steel, and the casing of the core element [(42)] comprises a plastic of poor thermal conductivity.

16. (Currently amended) The insulation package arrangement of claim 10, wherein the second attachment element [(13)] is implemented as a cage body in the shape of a truncated cone whose base area and cover area ~~(46, 47)~~ are joined on the side of the disc margin by a disc of a larger circumference or on the side of the ring margin by a disc of larger diameter, wherein there are several insulation braces [(51)] designed so as to be burn-through proof which

support a second insulation disc of the base area [(46)] against a first insulation disc or the first insulation ring [(48)] of the cover area [(47)].

17. (Currently amended) The insulation package arrangement of claim[(s)] 1 ~~to 3 and 10~~, wherein several fuselage insulation packages ~~(19 to 22)~~, which are positioned in a region of the fuselage structure which is delimited by ribs ~~(32, 32a, 32b, 32e)~~, are arranged on the inner structure of the fuselage, and the hole-like recess of the flat insulation end sections ~~(12, 12a, 12b)~~ of ~~these~~ (at least two) fuselage insulation packages ~~(19 to 22)~~ which on one longitudinal side ~~(41, 41a, 41b)~~ of the rib ~~(32, 32a, 32b, 32e)~~ continue in an insulation section, are conveyed to the first attachment element [(4)] which is an insulation pin designed to be burn-through proof, as a result of which an overlap of the insulation end sections ~~(12, 12a, 12b)~~ is formed on the respective longitudinal sides ~~(41, 41a, 41b, 41e)~~ of the respective ribs, with the attachment of said insulation end sections ~~(12, 12a, 12b)~~ on the longitudinal sides ~~(41, 41a, 41b, 41e)~~ of the ribs to the first attachment element [(4)] is secured with the second attachment element [(13)], which is an insulation disc or ring element.

18. (Currently amended) The insulation package arrangement of claim 1, wherein the design and the position of the individual fuselage insulation package ~~(19 to 22)~~ agrees with that of a traditionally used field insulation package, which in the direction of the aircraft axis [(9)] is situated on the aircraft fuselage structure or near the latter, and longitudinally adjoins that stringer support area [(31a)] of the stringer [(31)] at a defined distance [(c)] and of a traditionally used rib insulation package which adjoins the longitudinal sides ~~(41, 41a, 41b)~~ of

the ribs and the rib carrier ~~[[(40)]]~~ of the individual rib (32, 32a, 32b, 32e); which in each instance comprises the combination of the individual field- and rib insulation package which is ~~completely enclosed by a burn-through-proof element selected from elements consisting of a~~ burn-through-proof foil enclosure (11) ~~and/or comprises a burn-through-proof insulation, and/~~ or a burn-through-proof barrier layer~~[[,]]~~ and combinations thereof, wherein the burn-through-proof ~~elements~~ element of the respective field- and rib insulation package continue without interruption from the combined fuselage insulation package (19 ~~to 22~~).

19. (Currently amended) The insulation package arrangement of claim 1, wherein the flat insulation end sections (12, 12a, 12b), which continue from a fuselage insulation package (19 ~~to 22~~), are screwed or riveted to a burn-through-proof attachment element, structure holder ~~[[(53)]]~~ which jutting out from the stringer ~~[[(31)]]~~ is attached to the outer skin ~~[[(33)]]~~, or to the head of the individual rib (32, 32a, 32b, 32e) which is extended from the unattached end of the rib (32, 32a, 32b, 32e), or attached to the rib carrier ~~[[(40)]]~~.

20. (Currently amended) The insulation package arrangement of claim 19, wherein in the area of system precautions which relate to the structure holder ~~[[(53)]]~~ and to a separate support element against which the holder rests, a fire barrier is selected from the barrier consisting of the insulation, the foil, the insulation sections and combinations thereof, the insulation (1) and the foil (11) and/or the insulation sections (12a, 12b) of the fuselage insulation packages (19 to 22), which constitute a fire barrier, are the fire barrier being screwed and riveted.

21. (Original) The insulation package arrangement of claim 1, wherein the further attachment element is a rivet, comprising steel or titanium, or is a screw connection element comprising steel or titanium or plastic.

22. (Original) The insulation package arrangement of claim 21, wherein the screw connection element is a screw and nut made from aramide or a ~~eff~~ CFK material.